



# **CROSS CUTTING ISSUES TECHNICAL WORK GROUP CALL #4**

**MARCH 30, 2006**



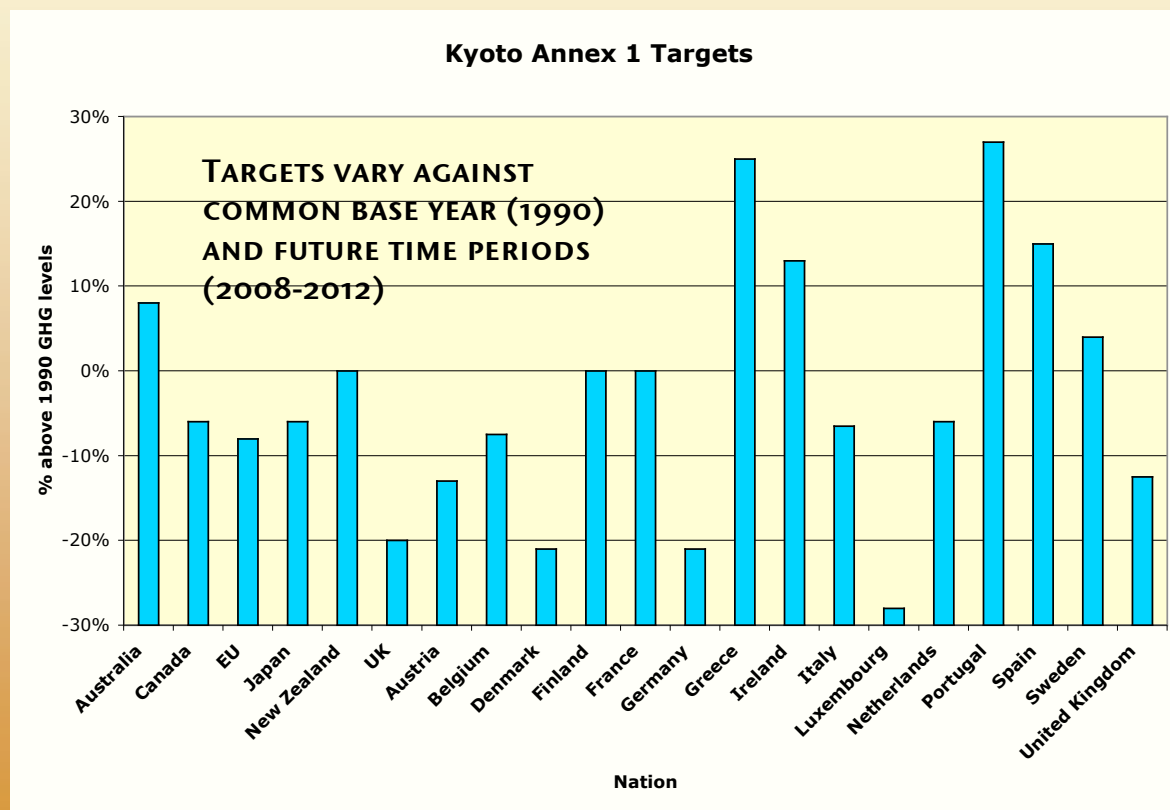
# **TODAY'S AGENDA**

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. PART 1 - REVIEW OF GOALS ISSUES**
- 4. PART 2 - REVIEW OF REPORTING, REGISTRIES AND EDUCATION ISSUES**
- 5. CALL TO THE PUBLIC AND ANNOUNCEMENTS**
- 6. AGENDA ITEMS FOR NEXT CC TWG CALL, CCAG MEETING**

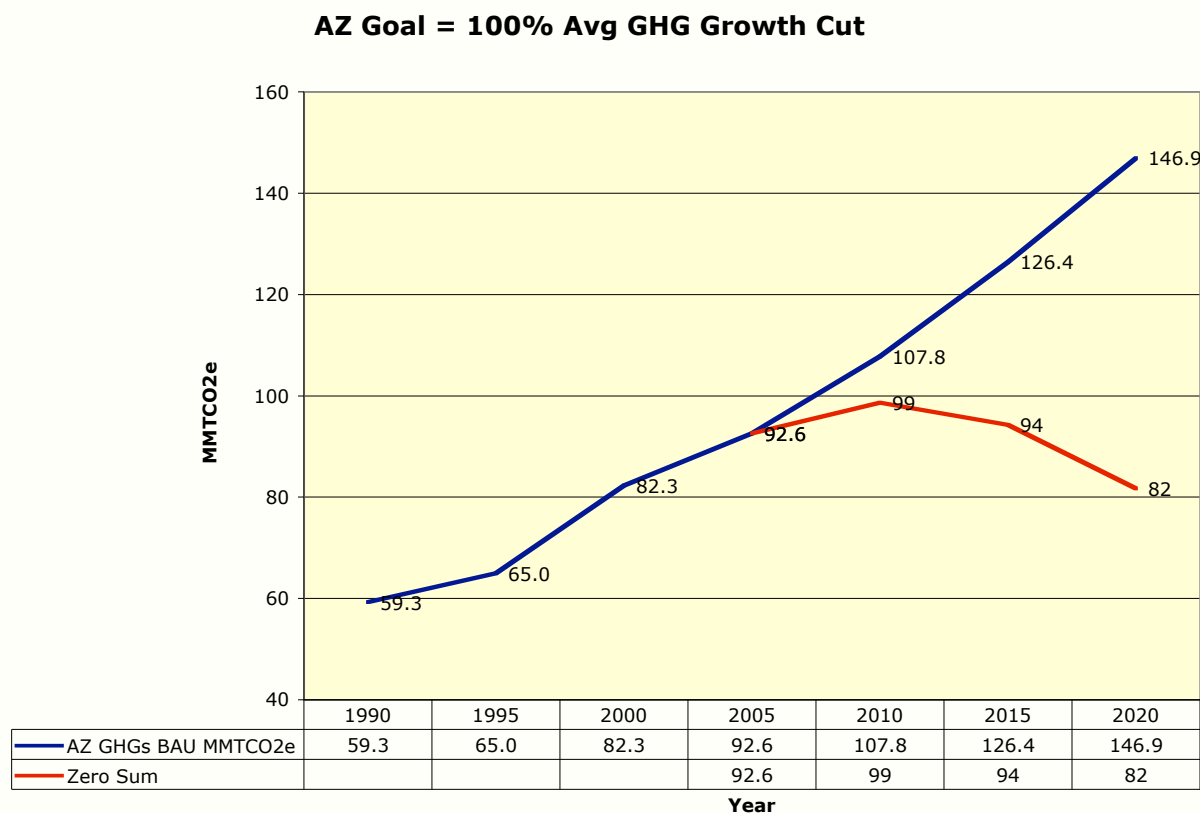
# GROWTH & GOALS

STATE	1990-2020 FORECAST	GHG GOALS	PLANNING RESULT
AZ	147%	?	TBD
CA	34%	2000 BY 2010; 10% BELOW BY 2020; 75% BY 2050	TBD
CT	32%	1990 BY 2010; 10% BELOW BY 2020; 75% BY 2100	100%
MA	?	1990 BY 2010; 10% BELOW BY 2020; 75% BY 2100	?
ME	34%	1990 BY 2010; 10% BELOW BY 2020; 75% BY 2100	100%
NC	122%	?	TBD
NEG	?	1990 BY 2010; 10% BELOW BY 2020; 75% BY 2100	TBD
NJ	?	5% -1990 BY 2005	100%
NM	64%	2000 BY 2012; 10% BELOW BY 2020; 75% BY 2050	TBD
NY	24%	5% BELOW 1990 BY 2010	?
OR	38%	1990 BY 2010; 10% BELOW BY 2020; 75% BY 2100	85%
PS/WA	37%	1990 BY 2010; 10% BELOW BY 2020; 75% BY 2100	100%
RI	35%	1990 BY 2010; 10% BELOW BY 2020; 75% BY 2100	100%

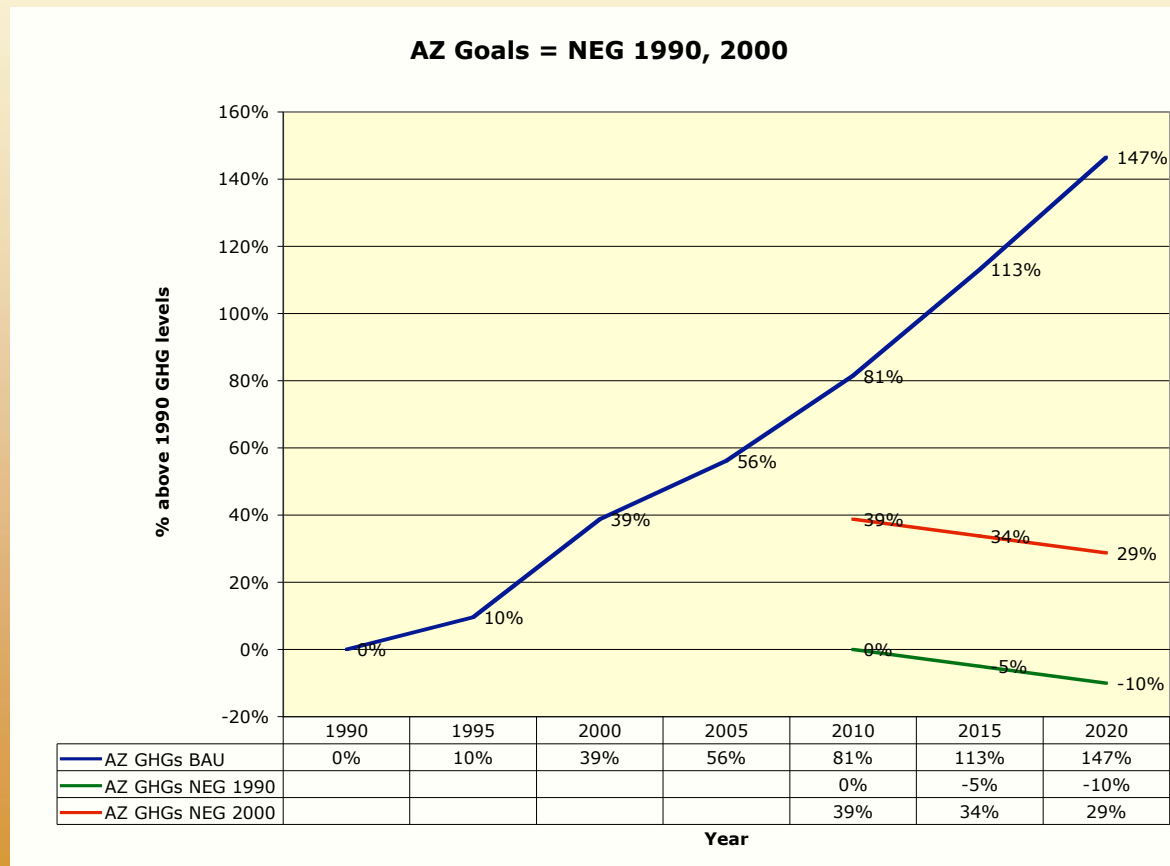
# GLOBAL GHG TARGETS 2008-12



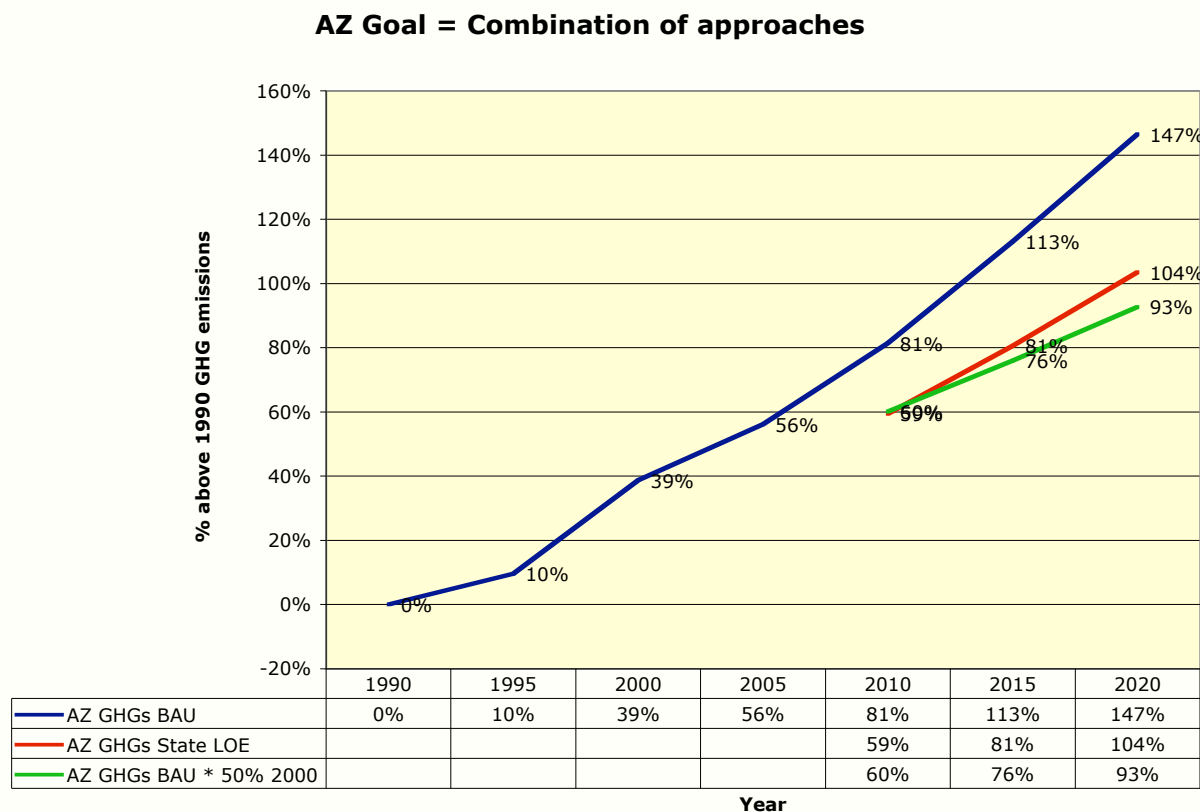
# 100% AVG TOTAL GHG GROWTH CUT 2005-2020



# NEG/ECP AND OTHER STATES FIXED GOALS APPLIED TO AZ

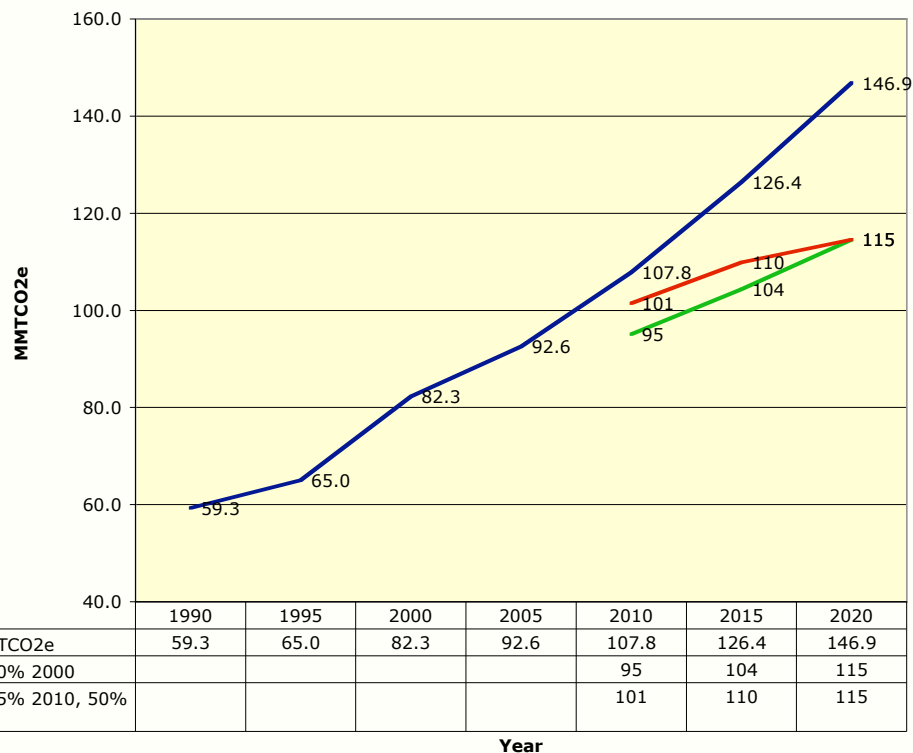


# OTHER STATES RELATIVE GHG CUT & 50% TOTAL GHG CUT



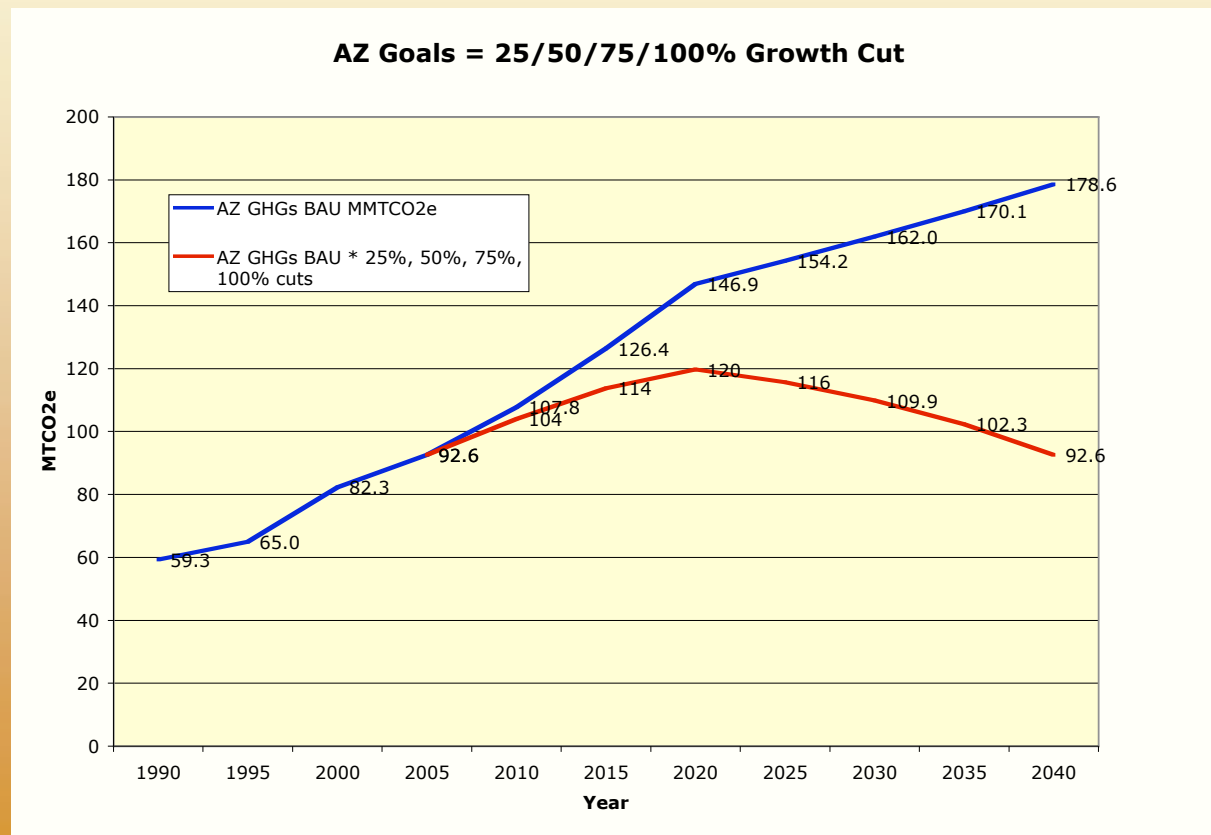
# 50% CUT IN TOTAL GHG GROWTH & GRADUATED 25%-50% CUT

AZ Goal = 50% v. 25%/50% GHG Growth Cuts





# 25/50/75/100% TOTAL GROWTH LEVEL CUTS 2005-2040



# ANALYSIS

- **DATA SOURCES**

- **AZ AND OTHER STATE GHG INVENTORIES AND FORECASTS (CONSUMPTION BASED)**
- **STATE PLANNING ESTIMATES OF POTENTIAL GHG REDUCTIONS FOR NORTHEAST AND WEST COAST**
- **SOME STATE PLANNING DATA IS NOT READILY AVAILABLE (DUE TO CLOSED PROCESSES)**

- **METHODS**

- **SCENARIOS APPLIED TO ACTUAL AZ INVENTORY AND FORECAST ESTIMATES APPROVED BY CCAG**

# ANALYSIS...

- **KEY ASSUMPTIONS**
  - AVERAGE ANNUAL GHG REDUCTION ESTIMATES IN 2010 AND 2020 FOR NORTHEAST AND WEST COAST STATES
  - OTHER ASSUMPTIONS NOTED IN SCENARIOS
- **KEY UNCERTAINTIES**
  - RESULTS OF CCAG PLANNING NOT YET AVAILABLE
  - REGIONAL DIFFERENCES BETWEEN SW, WC AND NE MAY AFFECT SUCCESS RATES OF MITIGATION PLANNING
  - RELIABILITY OF LONG TERM FORECASTING
  - RESULTS OF ACTUAL IMPLEMENTATION
  - MARGIN OF SAFETY AND OR ERROR NOT INCLUDED

# NEXT STEPS

- **IDENTIFY PREFERRED SCENARIOS AND SUGGESTED NEW MODIFICATIONS**

# **PART 2**

- **REPORTING, REGISTRIES, EDUCATION**
  - **REPORTING AND REGISTRIES ARE LINKED**
    - **EMISSIONS V. EMISSIONS REDUCTIONS**
    - **INCENTIVE SYSTEMS**
  - **EDUCATION SUPPORTS INDIVIDUAL AND COLLECTIVE POLICY EFFORTS**

# REPORTING & REGISTRIES

- **MULTIPLE APPROACHES HAVE EMERGED**
  - MANY PURPOSES AND GOALS
  - MANY QUANTIFICATION PROTOCOLS
  - MANY REGISTRY APPROACHES
  - MANY MARKET ENTRANTS
- **SOME CLARITY & STANDARDS EVOLVING**
  - WORLD RESOURCES INSTITUTE/WORLD BUSINESS COUNCIL FOR SUSTAINABLE DEVELOPMENT GHG PROTOCOLS
  - INTERNATIONAL STANDARDS ORGANIZATION 14064 GHG QUANTIFICATION STANDARDS
  - REGIONAL REGISTRY EFFORTS
  - BROADER REGISTRY DISCUSSIONS

# GHG REPORTING

- **PURPOSE AND GOALS**
  - **MEASURE GHG EMISSIONS**
  - **BUILD AWARENESS AND CAPACITY**
  - **DIAGNOSE AND TRACK GHG EMISSIONS**
  - **CONSIDER AND PLAN FOR SOLUTIONS**
  - **BETTER MANAGE EMISSIONS**
  - **IDENTIFY WAYS TO INCREASE RELATED BENEFITS OF EMISSIONS REDUCTIONS**
  - **ENABLES OTHER GOALS**

# **GHG REPORTING**

- **KEY TECHNICAL AND POLICY ISSUES**
  - **POLICY ENDPOINTS**
  - **VOLUNTARY OR MANDATORY**
  - **WHICH GASES**
  - **APPLICABILITY (SECTORS, SOURCES, LEVELS)**
  - **BOUNDARY ISSUES**
  - **QUANTIFICATION, MEASUREMENT, & VERIFICATION**
  - **OPERATIONAL ISSUES (LEAD AGENCY, START DATE, REPORTING PERIOD, TRANSPARENCY, COST, ETC.)**



# GHG REGISTRY

- **PURPOSE AND GOALS**
  - **RECORDING OF GHG REDUCTION ACTIVITIES**
  - **PROVIDE MANAGEMENT INFORMATION SYSTEM**
    - **DATA MANAGEMENT & ACCOUNTING**
    - **CENTRAL, INDEPENDENT REPOSITORY**
  - **SUPPORT POLICY IMPLEMENTATION**
    - **INCENTIVE TO TRACK & MANAGE EMISSIONS**
    - **PUBLIC AND/OR LEGAL RECOGNITION**
    - **CREDIT AND/OR BASELINE PROTECTION**
    - **POSSIBLE REGIONAL & CROSS-BORDER COOPERATION**

# **GHG REGISTRY**

- **KEY TECHNICAL AND POLICY ISSUES**
  - **POLICY OBJECTIVES**
  - **BASELINE/BASE YEAR**
  - **INCREMENTAL REDUCTIONS**
  - **REDUCTIONS FROM OTHER SECTORS**
  - **BOUNDARY ISSUES**
  - **OWNERSHIP & DOUBLE-COUNTING**
  - **MONITORING & DATA QUALITY**
  - **VERIFICATION/CERTIFICATION**
  - **PROJECTS VS. PROGRAMS**
  - **STATE-TO-STATE CONSISTENCY**
  - **OPERATIONAL & ADMINISTRATIVE ISSUES**

# **PUBLIC EDUCATION**

- **PURPOSE AND GOALS**
  - **PUBLIC AWARENESS OF NEED FOR ACTION**
  - **AWARENESS OF SPECIFIC PROGRAMS & EFFORTS**
  - **AWARENESS THAT INDIVIDUAL ACTIONS COUNT;  
(AND MAY BE REWARDED, E.G., REBATES)**
- **KEY TECHNICAL AND POLICY ISSUES**
  - **AUDIENCE(S), MESSAGES, PROGRAM LINKAGE**
  - **APPROACHES, RESPONSIBILITY**
  - **SCOPE AND BREADTH**
  - **COSTS AND RESULTS**

# NEXT STEPS

- IDENTIFY EXISTING AZ ACTIONS
- IDENTIFY POTENTIAL APPROACHES
- DEVELOP STRAW PROPOSALS
- COORDINATE WITH SECTOR-BASED TWGs
- REFLECT CCAG PRIORITIES

# CLOSING REMARKS

- **PUBLIC INPUT?**
- **ANNOUNCEMENTS?**